

FR 2512775

MAR 1983

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GREZ/ ★ P35 F1845 K/16 ★FR 2512-775
In-flight water scooping system for fire fighting aircraft - uses
torpedo shaped scoop with motor and control surfaces controlled
from aircraft for depth, direction and speed

GREZE A G 17.09.81-FR-017737

W08 Q25 (18.03.83) A62c-28 B64d-01/16 B64d-47
17.09.81 as 017737 (1055DK)

A torpedo shaped scoop is self propelled under water by a motor.
The scoop is attached to the aeroplane by a towing cable and a
tubular cable which passes over winches in the aircraft. The
water is forced into the scoop inlet and is forced into the tubular
cable to be pumped into water tanks in the aircraft by suction
pumps.

Two ailerons and a rudder on the tail section ensure that the
scoop is maintained in the water during the trawling action by the
aircraft. These controls are controlled by commands issued from
the aircraft and transmitted along the towing cable. When the
tanks are full the scoop is winched aboard the aircraft and the
rudder and aerilons provide control to guide the scoop. (11pp)

N83-067594

REPUBLIQUE FRANÇAISE

INSTITUT NATIONAL
DE LA PROPRIÉTÉ INDUSTRIELLE

PARIS

(11) N° de publication :

2 512 775

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DEMANDE
DE BREVET D'INVENTION

N° 81 17737

(21)

(54) Dispositif d'écopage en vol.

(51) Classification internationale (Int. Cl. 3). B 64 D 1/16; A 62 C 28/00; B 64 D 47/00.

(22) Date de dépôt..... 17 septembre 1981.

(33) (32) (31) Priorité revendiquée :

(41) Date de la mise à la disposition du
public de la demande..... B.O.P.I. — « Listes » n° 11 du 18-3-1983.

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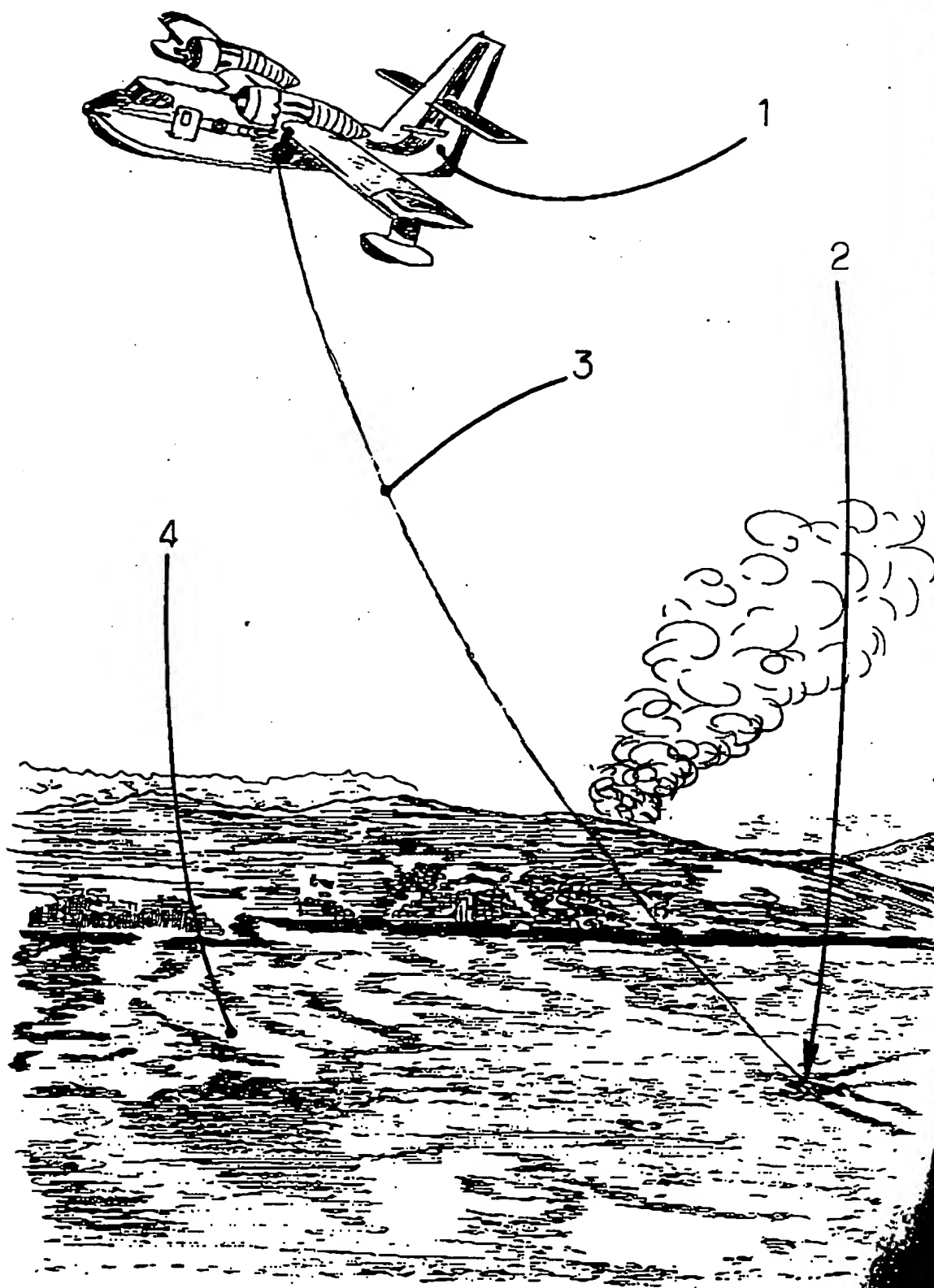
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(73) Titulaire : Idem (71)

(74) Mandataire :

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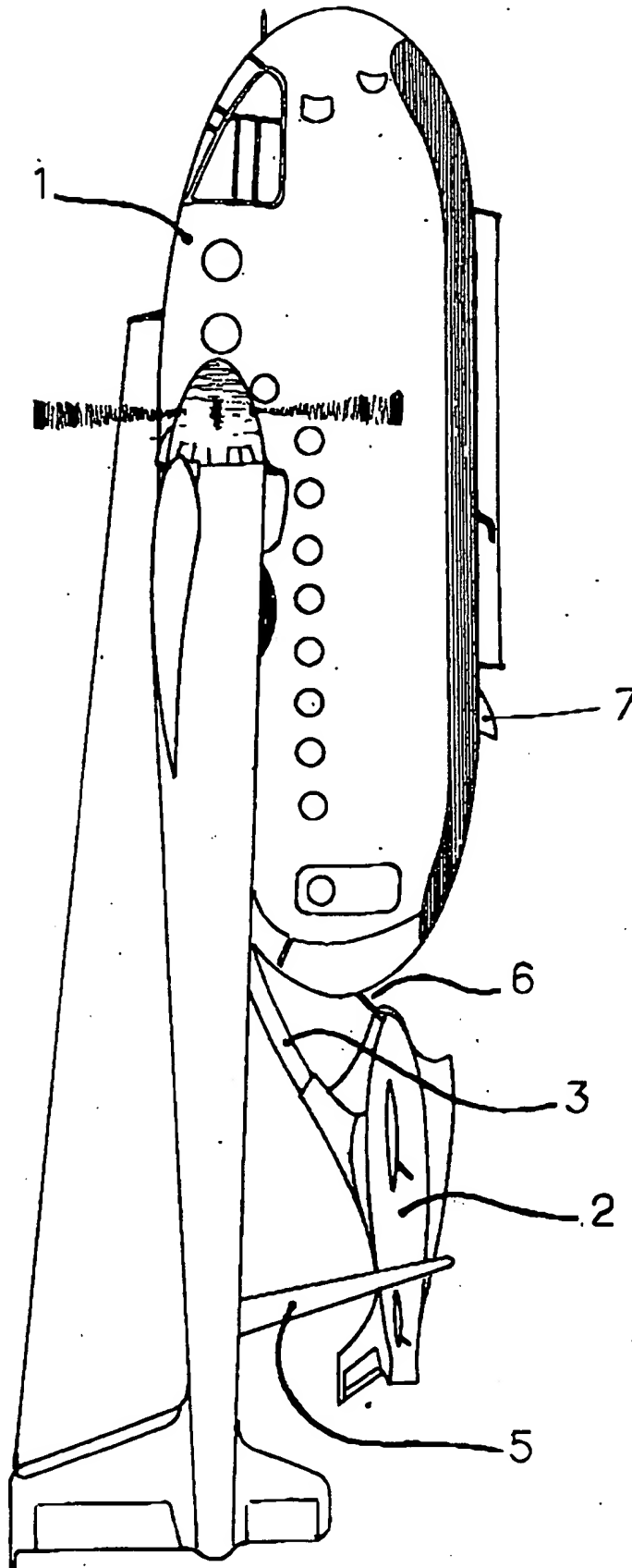


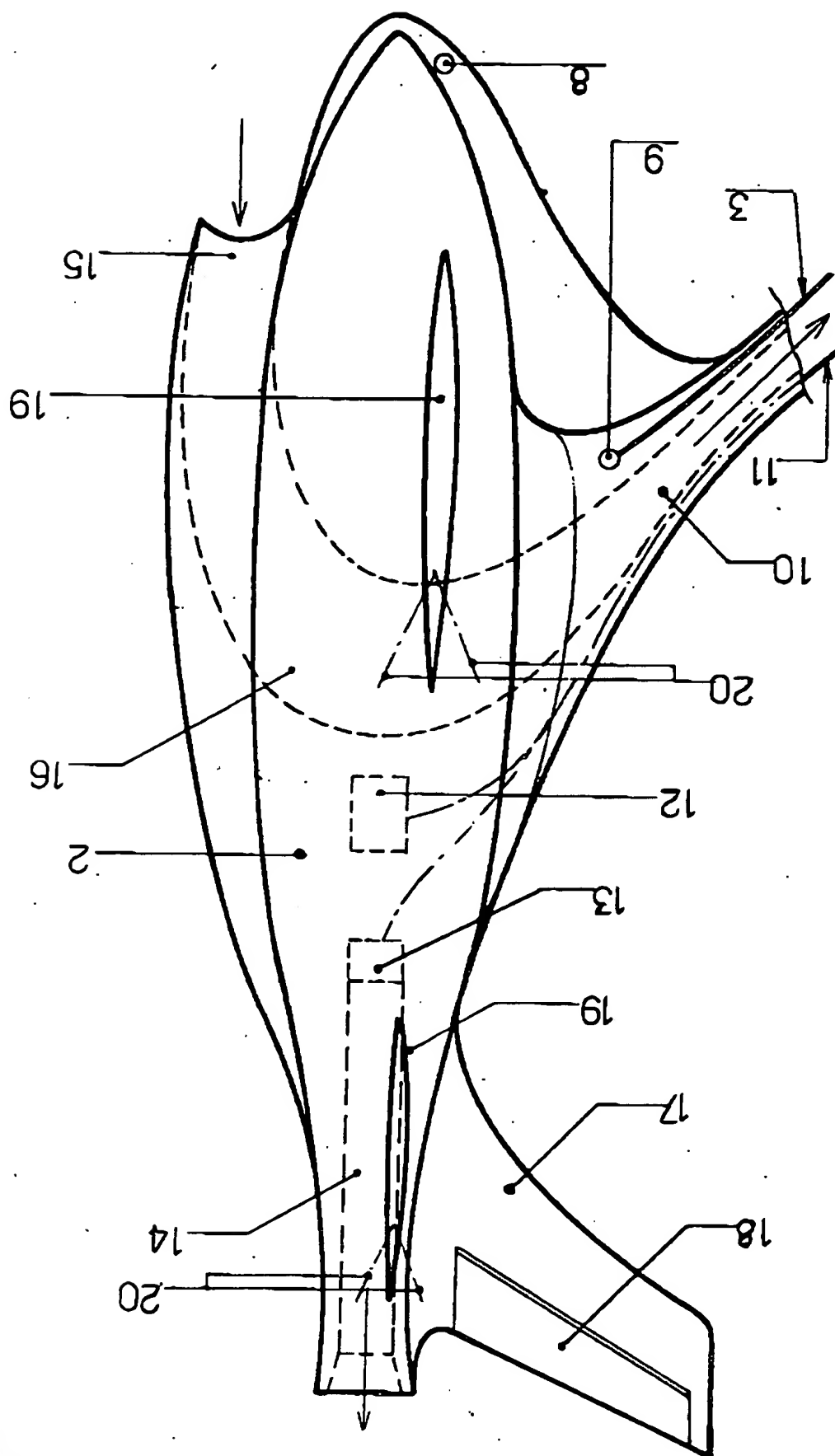
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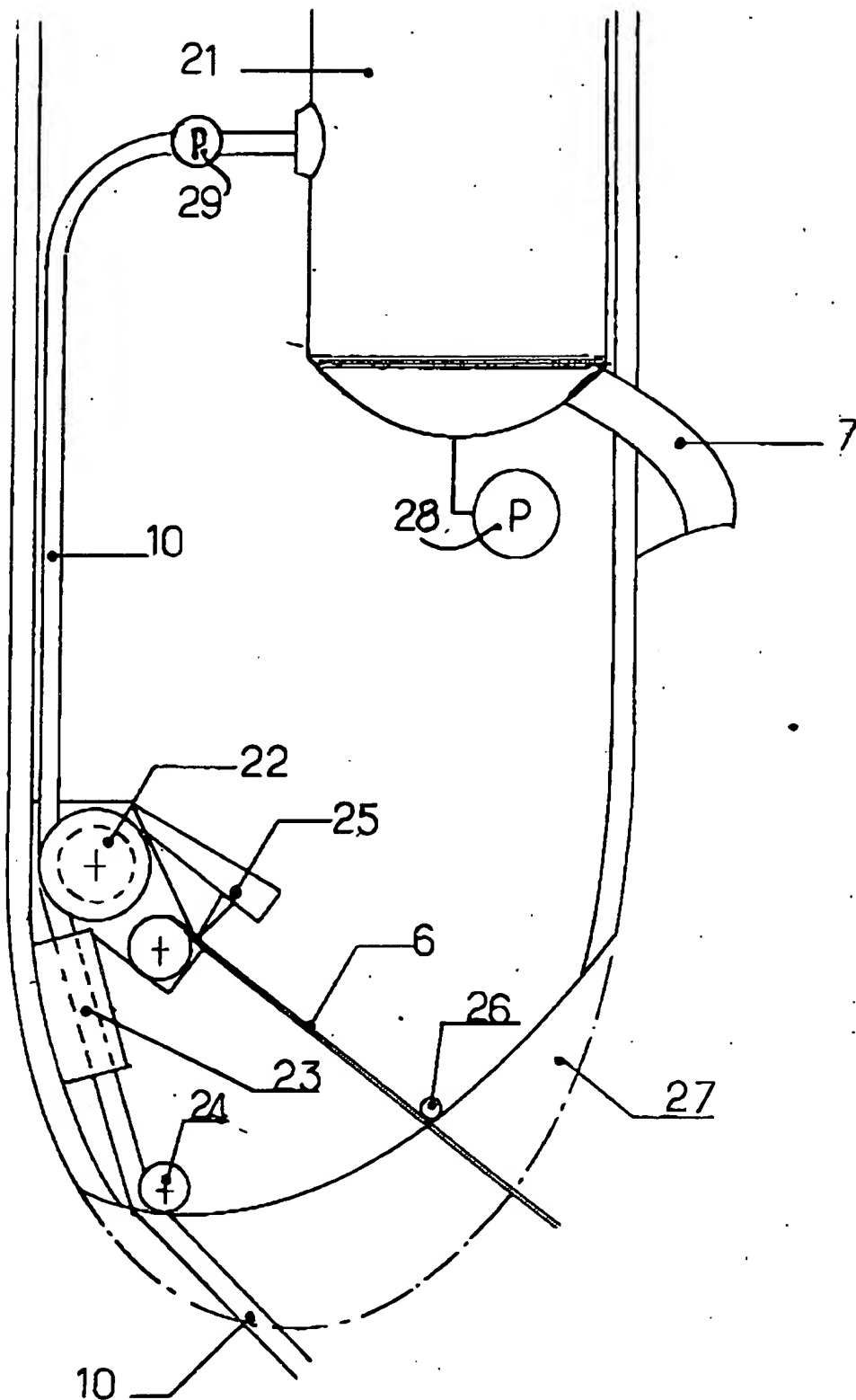
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